

## (1) GENERAL INFORMATION:

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(G) TELEPHONE: +41-1-259 2388

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(iii) NUMBER OF SEQUENCES: 9

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(D) SOFTWARE: PatentIn Release #1.0, Version #1.30 (EPO)

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(B) FILING DATE: 21-FEB-1997

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(D) TOPOLOGY: linear

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(ii) MOLECULE TYPE: DNA (genomic)

(iii) HYPOTHETICAL: NO

(iv) ANTI-SENSE: NO

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(D) DEVELOPMENTAL STAGE: Adult

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(B) CLONE: pbPrP3

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(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

ATGAAGAAGC GACCAAAACC TGGAGGAGGA TGGAACTACTG GGGGGAGCCG ATACCCAGGA 60

CAGGGCAGTC CTGGAGGCAA CCGTTATCCA CCTCAGGGAG GGGGTGGCTG GGGTCAGCCC 120

CATGGAGGTG GCTGGGGCCA GCCTCATGGA GGTGGCTGGG GCCAGCCTCA TGGAGGTGGC 180  
 TGGGGTCAGC CCCATGGTGG TGGCTGGGGA CAGCCACATG GTGGTGGAGG CTGGGGTCAA 240  
 5 GGTGGTACCC ACGGTCAATG GAACAAACCC AGTAAGCCAA AAACCAACAT GAAGCATGTG 300  
 GCAGGAGCTG CTGCAGCTGG AGCAGTGGTA GGGGGCCTTG GTGGCTACAT GCTGGGAAGT 360  
 GCCATGAGCA GGCCTCTTAT ACATTTTGGC AGTGACTATG AGGACCGTTA CTATCGTGAA 420  
 10 AACATGCACC GTTACCCCAA CCAAGTGTAC TACAGGCCAG TGGATCAGTA TAGTAACCAG 480  
 AACAACTTTG TGCATGACTG TGTCAACATC ACAGTCAAGG AACACACAGT CACCACCACC 540  
 15 ACCAAGGGGG AGAACTTCAC CGAAACTGAC ATCAAGATGA TGGAGCGAGT GGTGGAGCAA 600  
 ATGTGCATTA CCCAGTACCA GAGAGAATCC CAGGCTTATT ACCAACGAGG GGCAAGTTAA 660

20 (2) INFORMATION FOR SEQ ID NO: 2:

(i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 219 amino acids  
 (B) TYPE: amino acid  
 25 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: protein

30 (iii) HYPOTHETICAL: YES

(iv) ANTI-SENSE: NO

(vi) ORIGINAL SOURCE:

35 (A) ORGANISM: Bos taurus

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:

40 Met Lys Lys Arg Pro Lys Pro Gly Gly Gly Trp Asn Thr Gly Gly Ser  
 1 5 10 15  
 Arg Tyr Pro Gly Gln Gly Ser Pro Gly Gly Asn Arg Tyr Pro Pro Gln  
 20 25 30  
 45 Gly Gly Gly Gly Trp Gly Gln Pro His Gly Gly Gly Trp Gly Gln Pro  
 35 40 45  
 His Gly Gly Gly Trp Gly Gln Pro His Gly Gly Gly Trp Gly Gln Pro  
 50 55 60  
 His Gly Gly Gly Trp Gly Gln Pro His Gly Gly Gly Gly Trp Gly Gln  
 65 70 75 80  
 55 Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ser Lys Pro Lys Thr Asn  
 85 90 95  
 Met Lys His Val Ala Gly Ala Ala Ala Gly Ala Val Val Gly Gly  
 100 105 110

Leu Gly Gly Tyr Met Leu Gly Ser Ala Met Ser Arg Pro Leu Ile His  
 115 120 125  
 5 Phe Gly Ser Asp Tyr Glu Asp Arg Tyr Tyr Arg Glu Asn Met His Arg  
 130 135 140  
 Tyr Pro Asn Gln Val Tyr Tyr Arg Pro Val Asp Gln Tyr Ser Asn Gln  
 145 150 155 160  
 10 Asn Asn Phe Val His Asp Cys Val Asn Ile Thr Val Lys Glu His Thr  
 165 170 175  
 Val Thr Thr Thr Thr Lys Gly Glu Asn Phe Thr Glu Thr Asp Ile Lys  
 15 180 185 190  
 Met Met Glu Arg Val Val Glu Gln Met Cys Ile Thr Gln Tyr Gln Arg  
 195 200 205  
 20 Glu Ser Gln Ala Tyr Tyr Gln Arg Gly Ala Ser  
 210 215

(2) INFORMATION FOR SEQ ID NO: 3:

- 25 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 33 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 30 (ii) MOLECULE TYPE: other nucleic acid  
 (A) DESCRIPTION: /desc = "oligonucleotide"  
 (iii) HYPOTHETICAL: NO  
 35 (iv) ANTI-SENSE: NO  
 40 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:

GGGAATTCCA TATGAAGAAG CGACCAAAAC CTG

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45 (2) INFORMATION FOR SEQ ID NO: 4:

- (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 31 base pairs  
 (B) TYPE: nucleic acid  
 50 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULE TYPE: other nucleic acid  
 (A) DESCRIPTION: /desc = "oligonucleotide"  
 55 (iii) HYPOTHETICAL: NO  
 (iv) ANTI-SENSE: NO

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:

CGGGATCCTA TTAAGTTGCC CCTCGTTGGT A

31

(2) INFORMATION FOR SEQ ID NO: 5:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 5 amino acids

(B) TYPE: amino acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(iii) HYPOTHETICAL: YES

(iv) ANTI-SENSE: NO

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:

Leu Ile His Phe Gly  
1 5

(2) INFORMATION FOR SEQ ID NO: 6:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 9 amino acids

(B) TYPE: amino acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(iii) HYPOTHETICAL: YES

(iv) ANTI-SENSE: NO

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:

Asp Tyr Glu Asp Arg Tyr Tyr Arg Glu  
1 5

(2) INFORMATION FOR SEQ ID NO: 7:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 7 amino acids

(B) TYPE: amino acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(iii) HYPOTHETICAL: YES

(iv) ANTI-SENSE: NO

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(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:

10 Gly Ser Asp Tyr Glu Asp Arg  
1 5

(2) INFORMATION FOR SEQ ID NO: 8:

15 (i) SEQUENCE CHARACTERISTICS:  
(A) LENGTH: 9 amino acids  
(B) TYPE: amino acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear

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(ii) MOLECULE TYPE: peptide

(iii) HYPOTHETICAL: YES

25 (iv) ANTI-SENSE: NO

30 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:

Tyr Tyr Arg Pro Val Asp Gln Tyr Ser  
1 5

35 (2) INFORMATION FOR SEQ ID NO: 9:

(i) SEQUENCE CHARACTERISTICS:  
(A) LENGTH: 13 amino acids  
(B) TYPE: amino acid  
40 (C) STRANDEDNESS: single  
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

45 (iii) HYPOTHETICAL: YES

(iv) ANTI-SENSE: NO

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(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:

55 Cys Ile Thr Gln Tyr Gln Arg Glu Ser Gln Ala Tyr Tyr  
1 5 10